## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 18 August 2005 (18.08.2005)

PCT

## (10) International Publication Number WO 2005/076536 A1

- (51) International Patent Classification<sup>7</sup>: 12/40, 29/06
- H04L 12/46,
- (21) International Application Number:

PCT/JP2005/002086

- (22) International Filing Date: 2 February 2005 (02.02.2005)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 2004-027746 4 Februar

4 February 2004 (04.02.2004) JP

- (71) Applicant (for all designated States except US): MAT-SUSHITA ELECTRIC INDUSTRIAL CO., LTD. [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka 5718501 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): LIM, Wei Lih. TAN, Pek Yew. APICHAICHALERMWONGSE, Chalermphol. ANDO, Kazuhiro. HARADA, Yasuo.

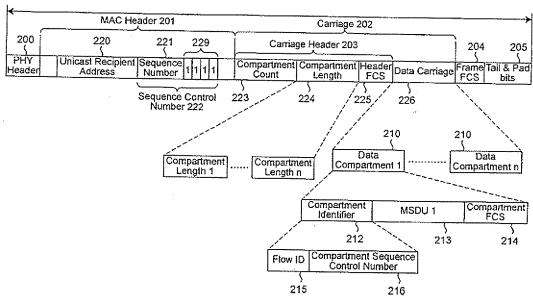
- (74) Agents: KAWAMIYA, Osamu et al.; AOYAMA & PART-NERS, IMP Building, 3-7, Shiromi 1-chome, Chuo-ku, Osaka-shi, Osaka 5400001 (JP).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR GENERATING PACKET FRAMES FOR CARRYING DATA



(57) Abstract: A conventional packet frame includes a MAC header, one MAC service data unit (MSDU) and a frame FCS. This frame is repeated to send a plurality of MSDUs. A proposed packet frame includes a MAC header, a plurality of MSDUs and a frame FCS. A unique bit pattern is provided in the MAC header to distinguish the proposed packet frame from the conventional packet frame. Thus, the total data stream can be shortened.

## WO 2005/076536 A1

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.